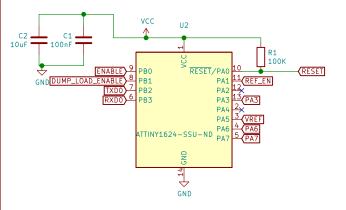
DIYBMS v4 CELL MONITORING MODULE

VERSION 4.50 - NOTE CHANGE TO ATTINY1624 MICRO CONTROLLER

FOR LITHIUM VOLTAGE RANGES (18650 etc.) 2.0V - 4.2V



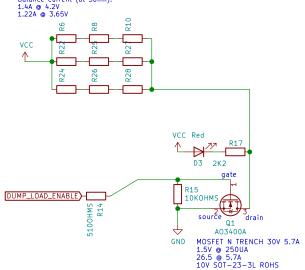
REF_EN R2 1KOHMS Diodes Incorporated VOLTAGE REFERENCES 1.25V ±0.5% 20PPM/*C AZ432ANTR-E1 GND

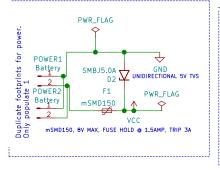
Change pin for Reference EN - its 2nd TX serial port so useful for DEBUG?

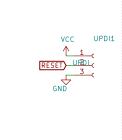
CHIP RESISTOR - SURFACE MOUNT 30HMS ±5% 3/4W 2010 3 in series with 3 in parallel gives 30hm equivalent resistance

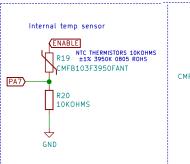
9 resistors provide 9*0.75W=6.75W of power disipation.

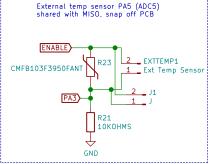
Balance current (at 3ohm):

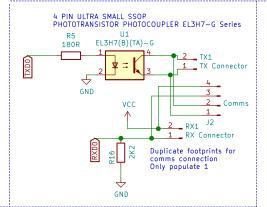


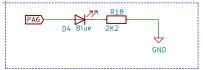












Stuart Pittaway

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Title: DIYBMS cell monitoring module

Date: 2021-01-31 Size: A4 Rev: 4.5 KiCad E.D.A. eeschema 5.1.9+dfsq1-1+deb11u1 ld: 1/1